CLAIMS

What is claimed is:

- A combination of a semiconductor substrate singulation saw and a chuck for holding a substrate comprising:
 a saw having at least one blade supported above a table and oriented to cut mutually parallel paths in the surface of a semiconductor substrate positioned on said table; and
 a chuck having at least one cutting pedestal located thereon mounted on said table, said chuck for holding said substrate during cutting thereof by said saw.
- 2. The combination of claim 1, wherein said chuck further comprises: a chuck table; and a plurality of cutting pedestals, each cutting pedestal being mounted on said chuck table.
- 3. The combination of claim 2, wherein said chuck further comprises: at least one clamp pedestal; and at least one substrate clamp removably attached to a portion of the at least one clamp pedestal.
- 4. The combination of claim 3, wherein said chuck further comprises: at least one alignment apparatus having a portion attached to the chuck table.
- 5. The combination of claim 4, wherein said alignment apparatus comprises: at least one alignment pin having a portion for engaging a portion of the substrate.
- 6. The combination of claim 4, wherein said at least one alignment apparatus comprises: an aperture in the chuck table for receiving said substrate therein.

- 7. The combination of claim 4, wherein said at least one alignment apparatus comprises:
- a pair of alignment pins, each alignment pin having a portion thereof attached to the chuck table and a portion for engaging a portion of said substrate.
- 8. The combination of claim 1, the saw further comprising: at least two blades for sawing said substrate.
- 9. The combination of claim 8, wherein at least one of said at least two blades is laterally translatable relative to another of said at least two blades.
- 10. The combination of claim 9, wherein said at least one of said at least two blades is raisable relative to another of said at least two blades.
- 11. The combination of claim 8, wherein said table is translatable in at least one direction relative to said at least two blades.
- 12. The combination of claim 8, wherein said at least two blades are translatable in at least one direction relative to said table.
- 13. A combination of a semiconductor substrate singulation saw and a table for mounting a substrate comprising:
- a saw having at least two blades supported above a table and oriented to cut mutually parallel paths in a surface of a semiconductor substrate positioned on said table; and a chuck having at least one cutting pedestal located thereon mounted on said table, said chuck for holding said substrate during cutting thereof by said saw.

- 14. The combination of claim 13, wherein said chuck further comprises: a chuck table; and a plurality of cutting pedestals, each cutting pedestal being mounted on said chuck table.
- 15. The combination of claim 14, wherein said chuck further comprises: at least one clamp pedestal; and at least one substrate clamp removably attached to a portion of the at least one clamp pedestal.
- 16. The combination of claim 15, wherein said chuck further comprises: at least one alignment apparatus having a portion attached to the chuck table.
- 17. The combination of claim 16, wherein said at least one alignment apparatus comprises: at least one alignment pin having a portion for engaging a portion of the substrate.
- 18. The combination of claim 16, wherein said at least one alignment apparatus comprises:
 an aperture in the chuck table for receiving said substrate therein.
- 19. The combination of claim 16, wherein said at least one alignment apparatus comprises:a pair of alignment pins, each alignment pin having a portion thereof attached to the chuck table and a portion for engaging a portion of said substrate.
- 20. The combination of claim 13, the saw further comprising: at least two blades for sawing said substrate.
- 21. The combination of claim 20, wherein at least one of said at least two blades is laterally translatable relative to another of said at least two blades.

- 22. The combination of claim 21, wherein said at least one of said at least two blades is raisable relative to another of said at least two blades.
- 23. The combination of claim 20, wherein said table is translatable in at least one direction relative to said at least two blades.
- 24. The combination of claim 20, wherein said at least two blades are translatable in at least one direction relative to said table.
- 25. A chuck used for semiconductor substrate singulation for holding a substrate to be singulated in a saw having a table comprising:
 a chuck having at least one cutting pedestal located thereon mounted on said table, said chuck for holding said substrate during cutting thereof by said saw.
- 26. The chuck of claim 25, wherein said chuck further comprises: a plurality of cutting pedestals, each cutting pedestal being mounted on said table.
- 27. The chuck of claim 26, wherein said chuck further comprises: at least one clamp pedestal; and at least one substrate clamp removably attached to a portion of the at least one clamp pedestal.
- 28. The chuck of claim 27, wherein said chuck further comprises: at least one alignment apparatus having a portion attached to the chuck table.
- 29. The chuck of claim 28, wherein said at least one alignment apparatus comprises: at least one alignment pin having a portion for engaging a portion of the substrate.

- 30. The chuck of claim 28, wherein said at least one alignment apparatus comprises: an aperture in the chuck table for receiving said substrate therein.
- 31. The chuck of claim 28, wherein said at least one alignment apparatus comprises: a pair of alignment pins, each alignment pin having a portion thereof attached to the chuck table and a portion for engaging a portion of said substrate.